

Claims

1. Total power controller for at least two pumps (2, 42),
which are each connected to a working conduit (5, 45),
5 and the conveyed volume of which can be adjusted
separately by an adjusting device (6, 46), an
adjusting pressure which acts on the adjusting device
being adjustable by a total power control
valve (18, 58),
10 characterized in that
each total power control valve (18, 58) has a
measuring surface (24, 64), a working pressure of one
pump (42, 2) being applied directly to the measuring
surface (24, 64) of the total power control
15 valve (18, 58) of the other pump (2, 42).
2. Total power controller according to Claim 1,
characterized in that
the total power control valves (18, 58) are in the
20 form of valve cartridges (81), each with a valve
piston (85).
3. Total power controller according to Claim 2,
characterized in that
25 a ring surface (101) which forms the measuring
surface (24, 64) is formed on the valve piston (85).
4. Total power controller according to Claim 3,
characterized in that
30 the ring surface (101) is in such a form that it is
arranged in the valve cartridge (81) in the axial
direction between two spaces (89) which are connected
to a tank volume (27).

5. Total power controller according to one of Claims 2 to 4,
characterized in that
5 the valve piston (85) of a total power control valve (18, 58) of a pump (2, 42) can be acted on by a force which is proportional to the power of this pump (2, 42), in the same direction as the hydraulic force which acts on the measuring surface (101).
- 10 6. Total power controller according to Claim 5, characterized in that
the hydraulic force which acts on the measuring surface (24, 64) and the force which is proportional
15 to the power act on the valve piston (85) against a spring (87, 88) which is supported on an end face.
7. Total power controller according to one of Claims 1 to 6,
20 characterized in that
the measuring surface (24, 64) of the total power control valve (18, 58) of one pump (2, 42) is connected via a connecting conduit (36, 37) to a
working conduit (45, 5) of the other pump (42, 2), to
25 feed the working power of the other pump (42, 2).